

Contents

◆ FOREWORD	
■ Safety Instructions	4
■ Getting Started	5
◆ CONNECTING YOUR VIDEO CASSETTE RECORDER	
■ Background to the Worldwide VCR	6
■ Worldwide TV Color System	6
■ Multi-System VCR vs Worldwide VCR	7
■ System Conversion with the Worldwide VCR	8
■ Tape Conversion with the Worldwide VCR	9
■ Deciding How to Connect Up Your VCR	11
■ Connecting Your VCR to the TV	12
◆ SETTING UP YOUR VIDEO CASSETTE RECORDER	
■ Inserting the Batteries in the Remote Control	13
■ Plug and Initial Setting	13
■ User SET1 Setting	14
■ User SET2 Setting	14
■ Setting the Date and Time	15
■ Displaying/Hiding On-Screen Information	16
■ Tuning System	16
■ Setting the VCR RF out System	17
■ Setting the RF OUT CHANNEL	18
■ Presetting the Stations Automatically	19
■ Presetting the Stations Manually	20
■ Clearing a Preset Station	21
■ Changing the Preset Station Table	22
◆ RECORDING TELEVISION BROADCASTS	
■ Selecting the Cassette Type	23
■ Selecting the Recording Speed	23
■ Protecting a Recorded Cassette	23
■ Recording a Programme Immediately	24
■ Stopping a Recording Temporarily	24
■ Recording a Programme with Automatic Stop	25
■ Using the Timer Programming Feature	26
■ Using the VIDEOPLUS+/SHOWVIEW Feature	27
■ Modifying VIDEOPLUS+/SHOWVIEW programming	28
■ NICAM	29
■ Checking a Preset Recording	30
■ Cancelling a Preset Recording	30
◆ PLAYING BACK	
■ Playing a Cassette	31
■ Selecting the PLAY SYSTEM Mode	31
■ SQPB (Super VHS Quasi Playback)	32
■ Adjusting Picture Alignment Manually	32
■ Adjusting Picture Sharpness	33
■ Selecting the Audio Output Mode	33
◆ REWINDING AND FAST-FORWARDING	
■ Rewinding and Fast-forwarding a Cassette	34
■ Playing a Cassette in Slow Motion	34
■ Playing a Sequence Frame by Frame	35
■ Playing a Sequence at Variable Speeds	35

Contents (cont.)

◆ SPECIAL FUNCTION	
■ STROBE	36
■ ART	36
■ MONITOR	36
◆ SEARCHING FOR A SEQUENCE	
■ Searching for a Specific Sequence	37
■ Using the Tape Counter	38
◆ ADVANCED RECORDING FEATURES	
■ Using the Assemble Edit Function	39
■ Connecting Other Equipment to Your VCR	40
■ Connecting an RCA Audio/Video Input Cable	41
■ Recording from Another VCR or Camcorder	42
■ TV System Conversion	43
■ Playback Conversion	43
■ Convert Recording	44
■ Hi-Fi Audio System	45
■ Audio Dubbing a Pre-recorded Cassette	46
■ Recording an FM Simulcast Programme	47
◆ OTHER FUNCTIONS AND USEFUL RECOMMENDATIONS	
■ Locking Your VCR	48
■ Resetting Your VCR	48
■ Technical Specifications	49
◆ SOLVING PROBLEMS	
■ Problems and Solutions	50
◆ VCR OVERVIEWS	
■ Front View of the VCR	51
■ Rear View of the VCR	51
■ Display Indicators	52
■ Infrared Remote Control	52
◆ WORLD BROADCAST SYSTEMS	53
◆ INTERNATIONAL SERVICE NETWORK	54

Symbols



Press/push



Hold down



Important



Note

① = Step number

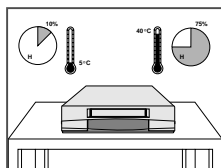
Safety Instructions

The following illustrations represent the precautions to be taken when using this video cassette recorder.

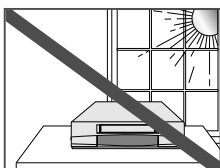


The lightning flash with arrowhead in the triangle is a warning sign alerting you to dangerous voltage inside the product.

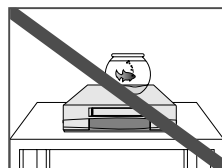
DO NOT OPEN THE VCR.



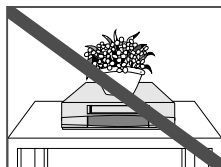
Do NOT expose the VCR to extreme temperature conditions (below 5°C and above 40°C) or to extreme humidity conditions (less than 10% and more than 75%).



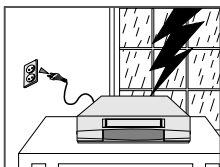
Do NOT expose the VCR to direct sunlight.



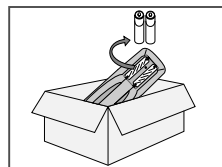
Do NOT expose the VCR to any liquids.



Do NOT place any objects on the VCR or remote control.



During a storm and/or lightning, unplug the VCR from the mains socket and aerial.

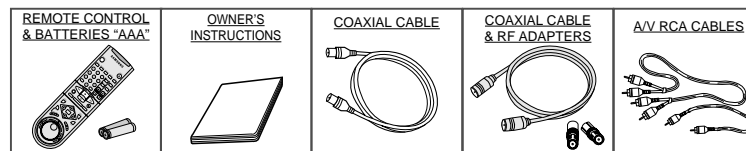


If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS.

Getting Started

You have just purchased a SAMSUNG Video Cassette Recorder (VCR). Together with your VCR, you will find the following accessories in the box.



Your Owner's Instructions contain much valuable information on setting up and using your VCR. Please take the time to read them as they will help you take full advantage of the VCR's features.

The booklet is organized as follows:

- ◆ The simple describing of Worldwide VCR.
- ◆ A series of step-by-step procedures for each function available forms the main body of the booklet.
- ◆ At the end of the booklet, you will find illustrations of the VCR (front and rear), the display and the remote control unit to help you find the buttons and understand the symbols displayed (see pages 51 and 52).

Preparing Your Video Cassette Recorder

Before being able to play and record video cassettes, you must prepare and connect your VCR.

- ◆ Insert batteries in the remote control.
- ◆ Connect your VCR to the television.
- ◆ Set the date and time used to display information on the television screen.
- ◆ Preset the stations.

All these operations are essential so you must follow the step-by-step instructions carefully.

Background to the Worldwide VCR

"Worldwide Communication through VCR"

Today the Video Recorder is a major media and communication tool, used for both business and home entertainment. Furthermore, the emergence of the camcorder has extended the versatility of the video with home video making.

Video communication is increasingly becoming a global medium, but the different TV broadcasting systems around the world hinder the worldwide exchange of video tapes.

The Samsung SV-5000W overcomes the incompatibility of different TV broadcasting systems through sophisticated digital technology, allowing any standard VHS tapes to be played on any TV, any where in the world (with free voltage).

Worldwide TV Color System

Many countries have different TV signal formats, with no exchangeability between them. This makes it impossible to play back or record tapes with different signal formats. This worldwide common VCR overcomes this problem by converting the signal format of any tape into the format you desire.

Comparison of TV color systems

	NTSC	NTSC4.43	PAL-M	PAL	PAL-N	SECAM	MESECAM
Number of scanning lines	525			625			
Field frequency	60Hz			50Hz			
Line frequency	15.734KHz			15.625KHz			
Color signal modulation system	Sub carrier suppression quadrature modulation					FM modulation	
Color signal frequency	3.579545 MHz	4.433619 MHz	3.575611 MHz	4.433619 MHz	3.582056 MHz	DB 4.25MHz DR 4.0625MHz	
Burst signal	Fixed phase		Inverted by 1 H			DR.DB alternation	



Classification of TV color systems by country

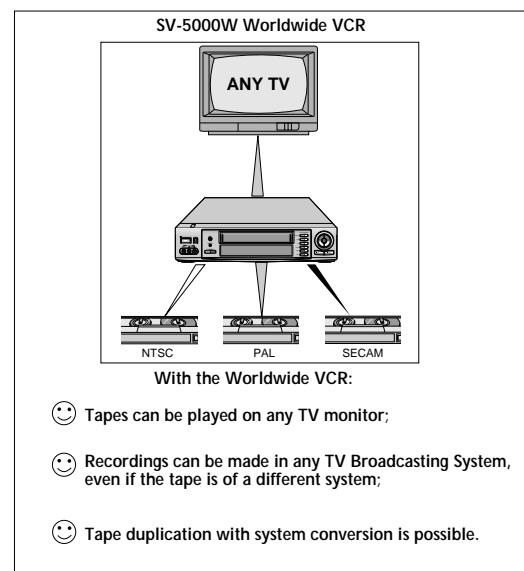
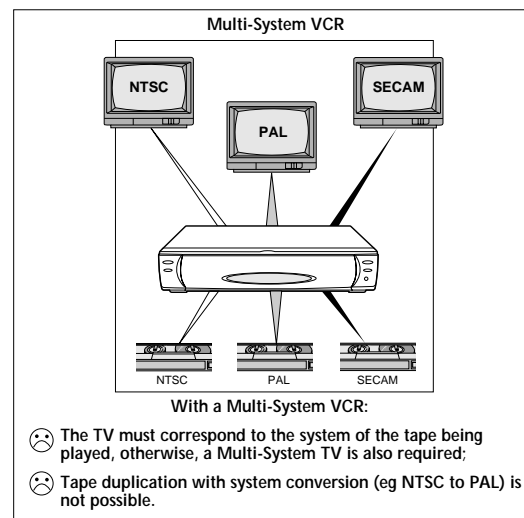
- ◆ NTSC : Korea, U.S., Canada, Japan, Taiwan, and Philippines
- ◆ PAL : United Kingdom, Germany, Western Europe, China, and Singapore
- ◆ SECAM : France, Eastern Europe, and CIS
- ◆ PAL-M : Brazil
- ◆ PAL-N : Argentina (The tape is the same as that of PAL)
- ◆ NTSC4.43 : Pseudo NTSC signal which is made to use the NTSC tape in the Middle East (The tape is the same as that of NTSC3.58)
- ◆ MESECAM : The name of a tape which uses the method of recording the SECAM signal. The output signal during playback is SECAM signal.



Worldwide Broadcasting system is B/G, I, D/K, M, N, L.

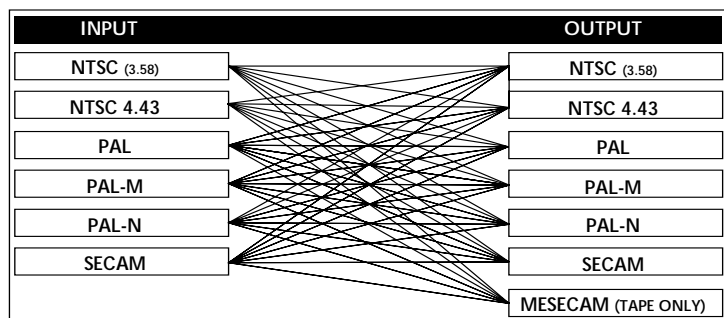
Multi-System VCR vs Worldwide VCR

The Worldwide VCR is similar to the Multi-System VCR in that it will play back tapes recorded in any TV Broadcasting System. However, there are a few key differences:



System Conversion with the Worldwide VCR

System conversion is the most complex digital process undertaken by the Worldwide VCR, converting the "input" into a different "output", eg from NTSC to PAL, or from PAL to SECAM.



I INPUT SELECTION

VCR automatically selects the correct TV broadcast system of the input signal:

A. When RECORDING
The 'input' is the external TV signal or the output from a second VCR or LDP

B. During PLAYBACK
The 'input' comes from the tape loaded for playback

II OUTPUT SELECTION

The broadcast system of the tape - on which the recording is to be made - is selected on the VCR 'output' panel

The broadcast system of the TV - on which playback is to be viewed - is selected on the VCR 'output' panel

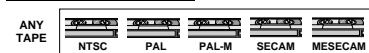
III SYSTEM CONVERSION

VCR digitally converts scanning lines, frequency fields and color signal into the desired system as selected in step II.

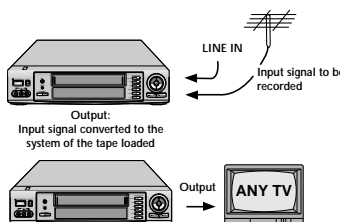
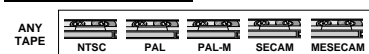
Recording in the desired TV system

Playback can be viewed on any monitor

A. TV RECORDING

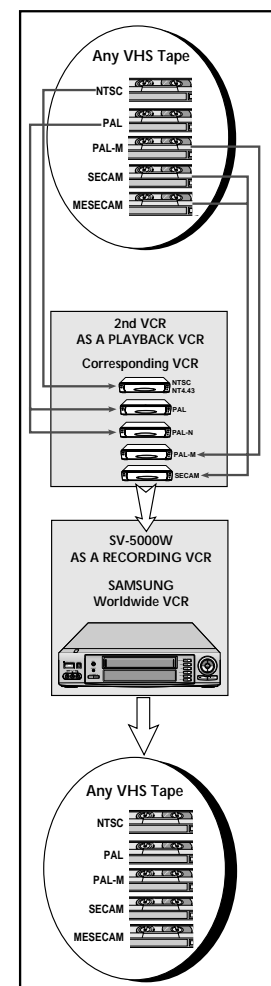
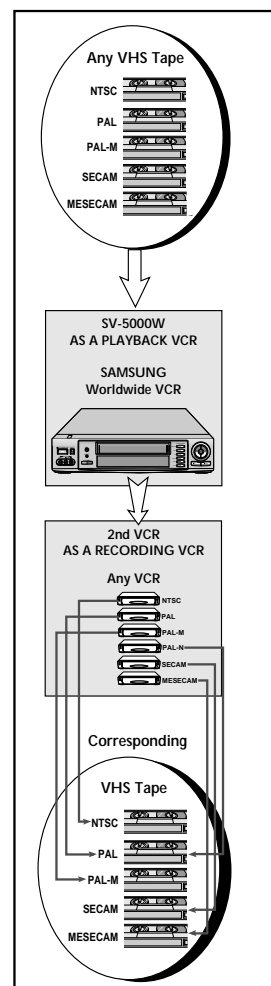


B. PLAYBACK



Tape Conversion with the Worldwide VCR

One of the most useful functions of the Worldwide VCR is the combination of tape duplication and system conversion, more simply known as "Tape Conversion". This allows the user to copy, for example, a SECAM tape and simultaneously convert it to PAL or NTSC. This is particularly useful for duplicating home video camcorder recordings and sending them to friends or relatives abroad.















Deciding How to Connect Up Your VCR

You must take into account various factors when deciding how to connect up your various audio and/or video systems.

- ◆ Types of connectors available on your systems.
- ◆ Systems connected *permanently* to the VCR (satellite receiver for example) or *from time to time* (camcorder for example).

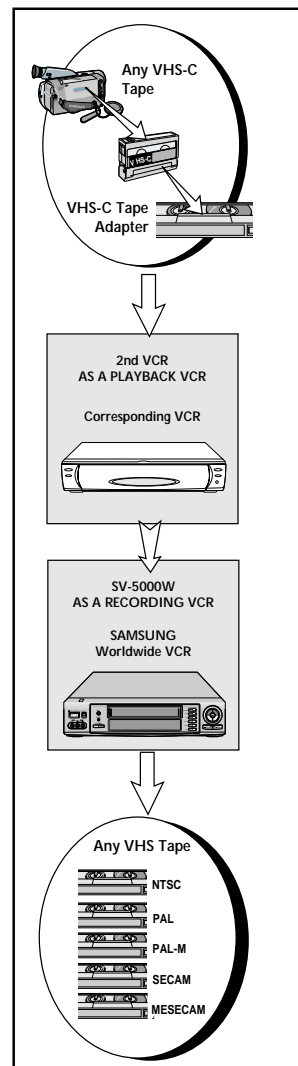
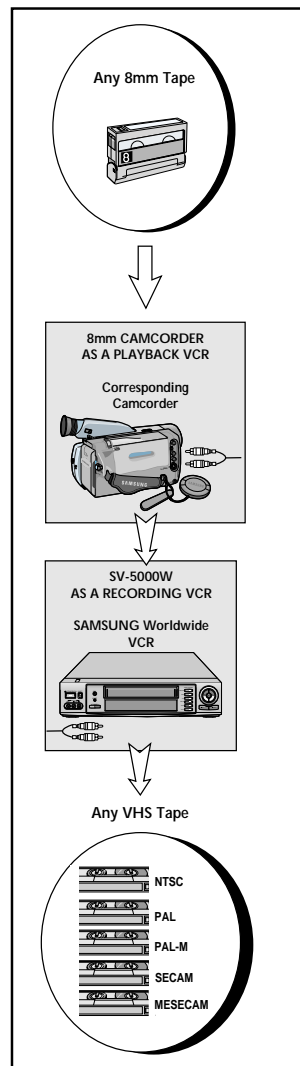
Your VCR is equipped with the following connectors.

Connector	Location	Type	Direction	Recommended Use
AV	Rear 	SCART	In/Out 	◆ Television
LINE	Rear 	Audio/Video RCA	Out 	◆ Television ◆ Other VCR
LINE 1	Front 	Audio/Video RCA	In 	◆ Audio system ◆ Camcorder ◆ Other VCR
LINE 2	Rear 	Audio/Video RCA	In 	◆ Audio system ◆ Camcorder ◆ Satellite receiver ◆ Other VCR
OUT TO TV	Rear 	75 Ω coaxial	Out 	◆ Television
IN FROM ANT.	Rear 	75 Ω coaxial	In 	◆ Aerial ◆ Cable television network

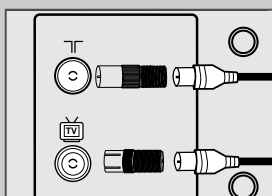
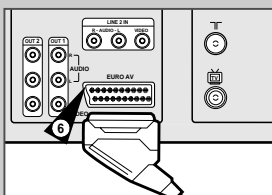
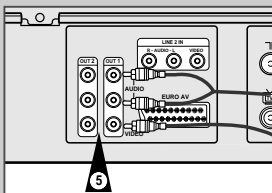
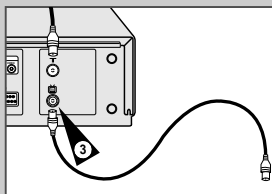
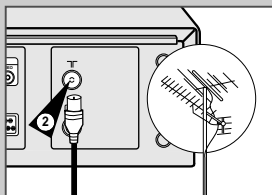


Whenever you connect an audio or video system to your VCR, ensure that all units are switched off.

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.





Connecting Your VCR to the TV



To receive television programmes from an air or cable television network, a signal must be received from one of the following sources.

- ◆ An outdoor aerial.
- ◆ An indoor aerial.
- ◆ A cable television network.

Make sure that both the television and the VCR are switched off before connecting the cables.

- 1 Remove the aerial or network input cable from the television.
- 2 Connect this cable to the 75Ω coaxial socket marked  on the rear of your VCR.
- 3 Plug the coaxial cable supplied into the  socket on your VCR.
- 4 Plug the other end of the coaxial cable into the connector previously used for the aerial on the television.
- 5 Connect one end of the RCA cable supplied to the output jacks (OUT1 or OUT2) on the rear of the VCR, if your television is equipped with this type of connection.
 - Respect the colour coding of the Audio and Video In/Out cable.
- 6 Connect one end of the SCART cable to the EURO AV socket on the rear of the VCR, if your television is equipped with this type of connection.
- 7 Plug the other end (of the RCA cable or SCART cable) into the appropriate connector on the television.

- ◆ Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the VCR is switched off.
- ◆ Make sure that both the television and the VCR are switched off before connecting the cables.

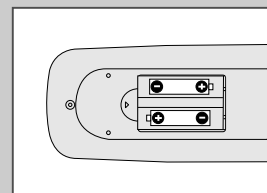
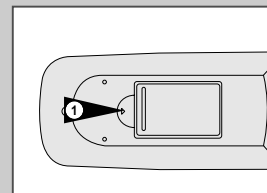
* NOTICE:
You can select the coaxial cable using the RF Adapter according to your Antenna socket.

Inserting the Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you:

- ◆ purchase the video cassette recorder ; or
- ◆ find that the remote control is no longer working correctly.

- 1 Push the tab in the direction of the arrow to release the battery compartment cover on the rear of the remote control.
- 2 Insert two AAA or equivalent batteries (supplied), taking care to respect the polarities.
 - ◆ + on the battery with + on the remote control.
 - ◆ - on the battery with - on the remote control.
- 3 Replace the cover by aligning it with the base of the remote control and pushing it back into place.

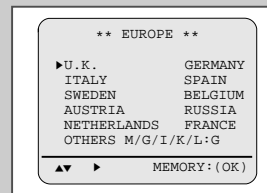
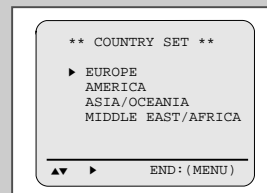
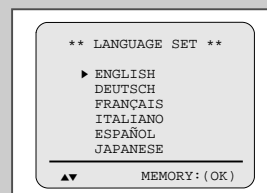


Plug and Initial Setting

The VCR automatically display initial setting MENU when the VCR is plugged into the AC outlet first time.

- ◆ The initial setting of RF OUT Channel is 60CH.

- 1 Plug the VCR into the AC outlet.
Result: The **LANGUAGE SET** is displayed.
- 2 Press the **★**, **★** and OK button to select your favorite language.
Result: The **COUNTRY SET** is displayed.
- 3 Press the **★**, **★**, **★** button to select your country.
Result: The country list is displayed.
- 4 Press the **★**, **★**, **★** and OK button to select your country.
 - If your country dose not exist in the country list, then select OTHERS.



USER SET1 Setting

The user set is initially set at the factory. If you want to make any change to the **USER SET**, please follow the instructions below.

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the **★, ★, ★** button to select user set.
Result: The **USER SET1** is displayed.
- 3 Press **★, ★, ★** to select the **USER SET1** item.
- 4 Check below to change the item.

* USER SET1

ITEM	USAGE	COMMENT
TAPE SELECT	tape length select	Select the recording tape type for remain time.
CLOCK TYPE	12H/24H mode	Select your favorite clock type.
PLAY SYSTEM	play tape system selection	The VCR automatically select play system. If an auto detection error occurs, then select the play system manually.
OSD	OSD display on/off	Initial setting is on.
USER SET2	USER SET2 select	Select to go to USER SET2 page.

USER SET2 Setting

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the **★, ★, ★** button to select user set.
Result: The **USER SET1** is displayed.
- 3 Press **★, ★, ★** to select the **USER SET2**.
- 4 Press **★, ★, ★** to select the **USER SET2** menu item.
- 5 Check below to change the item.

* USER SET2

ITEM	USAGE	COMMENT
NICAM	NICAM on/off (EUROPE only)	Initial is on (NICAM stereo mode). If the NICAM stereo sound is distorted, then select off mode for mono sound receiving.
COLOR	COLOR or B/W select	Initial is on. Color off mode is B/W. If color distortion occurs in the play or conversion mode, then select colour off mode.
BLUE SCREEN	BLUE SCREEN on/off	Initial is blue screen on. If any problem is occurred by blue screen, then select blue screen off.
SQPB	S-VHS Playback	See page 32.
USER SET1	USER SET1 select	Select to go to USER SET1 page.

Setting the Date and Time

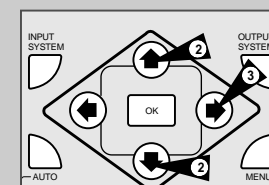
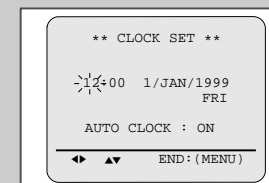
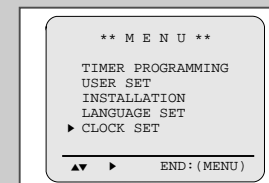
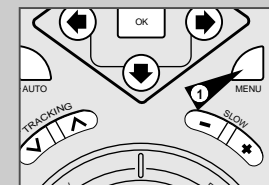
Your VCR contains a 24-hour clock and calendar used to:

- ◆ preset your VCR to record a programme automatically.

You must set the date and time when:

- ◆ you purchase the video cassette recorder.
- ◆ the power supply remains off for more than 60 minutes.
- ◆ The date and time are set automatically from the broadcast signal, but this function will not operate if there is no PDC or Teletext signal.
- ◆ Do not forget to reset the time when you change clocks from winter to summer time and vice versa.

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the **★** or **★** buttons, until the cursor is placed in front of the **CLOCK SET** option.
- 3 Press the **★** button to select this option.
Result: The **CLOCK SET** menu is displayed.
- 4 Press **★** or **★** to select the hour, minutes, day, month and year.
Result: The option selected flashes.
- 5 Press the **★** or **★** buttons to increase or decrease the value.
Result: The day of the week is displayed automatically.
➤ You can hold the **★** or **★** buttons down to scroll more quickly through the values.
- 6 On completion, press MENU twice to exit the menu.



Displaying/Hiding On-Screen Information

```

** M E N U **

TIMER PROGRAMMING
▶ USER SET
  INSTALLATION
  LANGUAGE SET
  CLOCK SET

▲▼ ▶ END: (MENU)
  
```

```

** USER SET1 **

TAPE SELECT :E180 /
              T120
CLOCK TYPE  :24H
PLAY SYSTEM :AUTO
▶ OSD       :ON
USER SET2

▲▼ ▶ END: (MENU)
  
```

Your VCR displays most information both on the VCR and television.

You can choose to display or hide this information on the television screen (except for the Index, Timer Programming function, which cannot be hidden).

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **USER SET** option.
- 3 Press the **▶** button to select this option.
Result: The **USER SET1** menu is displayed.
- 4 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **OSD** option.
- 5

To:	Press ▲ or ▼, until:	
display on-screen information	ON is displayed.	
hide on-screen information	OFF is displayed.	
- 6 On completion, press MENU twice to exit the menu.

Tuning System

```

** INSTALLATION **

▶ COUNTRY
  AUTO SET UP
  MANUAL SET UP

▲▼ ▶ END: (MENU)
  
```

```

** EUROPE **

▶ U.K.      GERMANY
  ITALY     SPAIN
  SWEDEN    BELGIUM
  AUSTRIA   RUSSIA
  NETHERLANDS FRANCE
  OTHERS M/G/I/K/L:G

▲▼ ▶ MEMORY: (OK)
  
```

You can select the Tuning System if your living country is different from the selected country in Plug and Initial Setting (see page 13).

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **INSTALLATION** option.
- 3 Press the **▶** button to select this option.
Result: The **INSTALLATION** menu is displayed.
- 4 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **COUNTRY** option.
- 5 Press the **▶** button to select your country region. (Ex.: EUROPE).
- 6 Press the **▶** button to select your country. (Ex.: U.K.)
- 7 On completion, press OK to memory.

➤ If your country does not exist in the country list, then select OTHERS.

➤ If your living country is same the selected country in Plug and Initial Setting (see page 13), then you need not select Tuning System.

Setting the VCR RF out System



The VCR RF out system and channel is used for TV connection with RF coaxial cable.

The RF out system is automatically setted by country selection.

➤ If your selection of the country set is U.K., the RF out system is automatically setted U.K-I system.

You have no need to use this function except if there is no sound or picture distortion.

You can choose another system, if your TV system is not matched by your VCR.

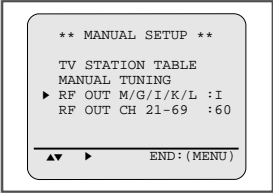
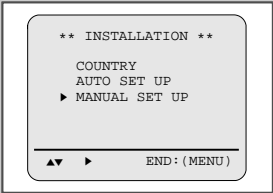
If you want to know the broadcast system of your country, see the world TV broadcast system (page 53).

Change the RF out system according to the table below.

TV Broadcast system	RF out system	NATION
M	M	U.S.A, CANADA, KOREA, JAPAN, BRASIL,--
N	M	URUGUAY, ARGENTINA,--
L	L	FRANCE --
B/G	G	GERMAN, ITALY, SPAIN, AUSTRALIA--
I	I	U.K, HONGKONG,--
D/K	K	CHINA, CIS, --

- 1 Press the MENU button on the remote control.
Result: The programming menu is displayed.
- 2 Press the or buttons to select installation.
Result: The **INSTALLATION** menu is displayed.
- 3 Press the or buttons to select **MANUAL SET UP**.
Result: The **MANUAL SET UP** menu is displayed.
- 4 Press the button until the cursor is placed in front of **RF OUT** system.
- 5 Press the or buttons to change the RF OUT system.
Result: The **RF OUT** system is changed. (Ex.: I)

➤ If the RF OUT system is not matched your TV system, then no color or picture distortion is occurred.



Setting the RF OUT CHANNEL

The initial setting of RF Channel is 60CH.

You can select the RF OUT CHANNEL for watching the VCR by TV channel.

** INSTALLATION **

COUNTRY
AUTO SET UP
▶ MANUAL SET UP

END: (MENU)

** MANUAL SETUP **

TV STATION TABLE
MANUAL TUNING
RF OUT M/G/I/K/L : I
▶ RF OUT CH 21-69 : 60

END: (MENU)

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the \blacklozenge or \blacklozenge buttons to select installation.
Result: The installation menu is displayed.
- 3 Press the \blacklozenge or \blacklozenge buttons to select **MANUAL SET UP**.
Result: The **MANUAL SET UP** menu is displayed.
- 4 Press the \blacklozenge button until the cursor is placed in front of **RF OUT CHANNEL**.
- 5 Press the \blacklozenge or \blacklozenge buttons to change the RF OUT CHANNEL.
Result: The **RF OUT CH** is changed.

➤ Your VCR RF out channel may need to be changed if the pictures suffer from interference or your TV can not find the pictures.

You can connect your VCR to the TV using the RCA or Scart cable if the appropriate input is available on the TV for better quality sound and picture.

Presetting the Stations Automatically

Your VCR contains a built-in tuner used to receive television broadcasts. It can also receive cable television broadcasts.

You must preset the stations received through the tuner. This can be done:

- ◆ automatically ; or
- ◆ manually (see page 20).

- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding \blacklozenge or \blacklozenge buttons, until the cursor is placed in front of the **INSTALLATION** option.
- 3 Press the \blacklozenge button to select this option.
Result: The **INSTALLATION** menu is displayed.
- 4 Press the corresponding \blacklozenge or \blacklozenge buttons, until the cursor is placed in front of the **AUTO SET UP** option.
- 5 Press the \blacklozenge button to select **AUTO SET UP**.
- 6 Press OK to start the auto scanning.
Result:
 - ◆ The **AUTO** indication flashes on the VCR display.
 - ◆ The first frequency band is scanned and the first station found is displayed and stored.
 - ◆ The VCR then searches for the second station and so on.
 - ◆ When the automatic scanning procedure has finished, the VCR switches automatically to programme 1.
- 7 To exit the AUTO SET UP, press the MENU.

➤ ◆ The time and date are set automatically from the broadcast signal. If the signal is weak or ghosting occurs, the time and date may not be set automatically. In this case, they should be set manually (see page 15).



** INSTALLATION **

COUNTRY
▶ AUTO SET UP
MANUAL SET UP

END: (MENU)

EUROPE
U.K.

YOUR DATA WILL BE LOST
PRESS (OK) TO CONTINUE
(MENU) TO EXIT

AUTO SET UP

PLEASE WAIT
CH 2


END: (MENU)

Presetting the Stations Manually

Your VCR contains a built-in tuner used to receive television broadcasts. It can also receive cable television broadcasts.

You must preset the stations received through the tuner. This can be done:

- ◆ automatically (see page 19) ; or
- ◆ manually.

 You do not need to preset the stations manually if you have already set them automatically.

- 1 Press the MENU button on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **INSTALLATION** option.
- 3 Press the **▶** button to select this option.
Result: The **INSTALLATION** menu is displayed.
- 4 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **MANUAL SET UP** option.
- 5 Press the **▶** button to select **MANUAL TUNING**.
- 6 Press the **▶** button to place the cursor in front of the **CH**.
- 7 Press the **▲** or **▼** buttons to start scanning.
Result: The frequency band is scanned and the first station found is displayed.
If you know the number of the channel you want, press the numeric buttons on the remote control for example, for channel 04, first press "0" and then press "4".
- 8

If you...	Then...
Wish to store the station displayed	<ul style="list-style-type: none"> ◆ Press the corresponding ▲ or ▼ buttons to place the cursor in front of the MFT. ◆ Press the ▲ or ▼ buttons to adjust the picture, if necessary. ◆ Press the ▶ button until the cursor is placed in front of the PR. ◆ Press the ▲ or ▼ buttons to select a programme number as required. ◆ Press OK to store the station
Do <u>not</u> wish to store the station displayed	<ul style="list-style-type: none"> ◆ Press the ▲ or ▼ buttons to go on scanning the frequency band and display the next station ◆ Go back to the beginning of Step 8
- 9 Repeat this procedure from Step 6 onwards, until all the required stations have been stored.
- 10 On completion, press the MENU button three times to exit the menu.

Clearing a Preset Station

If you have stored a TV station:

- ◆ That you do not require
- ◆ At the wrong programme position

you can cancel it.

- 1 Press the MENU button on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **INSTALLATION** option.
- 3 Press the **▶** button to select this option.
Result: The **INSTALLATION** menu is displayed.
- 4 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **MANUAL SET UP** option.
- 5 Press the **▶** button to select **TV STATION TABLE**.
- 6 Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the required preset TV station. (**PR**)
- 7 Press the CLR/RST button.
Result: **PLEASE WAIT** is displayed.
- 8 Repeat the same procedure from Step 6 onwards until all the required stations have been cleared.
- 9 On completion, press the MENU button three times to exit the menu.

```

** MENU **

TIMER PROGRAMMING
USER SET
▶ INSTALLATION
LANGUAGE SET
CLOCK SET

▲▼ ▶ END: (MENU)
    
```

```

** INSTALLATION **

COUNTRY
AUTO SET UP
▶ MANUAL SET UP

▲▼ ▶ END: (MENU)
    
```

```

** MANUAL SETUP **

TV STATION TABLE
▶ MANUAL TUNING
RF OUT M/G/I/K/L : I
RF OUT CH 21-69 : 60

▲▼ ▶ END: (MENU)
    
```

```

** MANUAL TUNING **

EUROPE
U.K.

▶ PR      : 1
CH       : --- 41MHZ
MFT      : --

▲▼ ◀▶ MEMORY: (OK)
CATV: (100) END: (MENU)
    
```

```

** MENU **

TIMER PROGRAMMING
USER SET
▶ INSTALLATION
LANGUAGE SET
CLOCK SET

▲▼ ▶ END: (MENU)
    
```

```

** INSTALLATION **

COUNTRY
AUTO SET UP
▶ MANUAL SET UP

▲▼ ▶ END: (MENU)
    
```

```

** MANUAL SETUP **

▶ TV STATION TABLE
MANUAL TUNING
RF OUT M/G/I/K/L : I
RF OUT CH 21-69 : 60

▲▼ ▶ END: (MENU)
    
```

```

** TV STATION TABLE **

PR  CH  NAME
▶ 1   3   ----
  2   4   ----
  3   9   ----
  4  13   ----
  5  25   ----

▲▼ SET: ▶ SORT: (OK)
DELETE: (CLR/RST) (MENU)
    
```

```

** TV STATION TABLE **

PR  CH  NAME
▶ 1   3   ----
  2   4   ----
  3   9   ----
  4  13   ----
  5  25   ----

PLEASE WAIT
▲▼ SET: ▶ SORT: (OK)
DELETE: (CLR/RST) (MENU)
    
```

Changing the Preset Station Table

You can rearrange the preset TV stations according to your own preferences:

- ◆ Programme number assigned to the station
- ◆ Name assigned to the station

- Press the MENU button on the remote control.
Result: The programming menu is displayed.
- Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **INSTALLATION** option.
- Press the **▶** button to select this option.
Result: The **INSTALLATION** menu is displayed.
- Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the **MANUAL SET UP** option.
- Press the **▶** button to select **TV STATION TABLE**.
- Press the corresponding **▲** or **▼** buttons, until the cursor is placed in front of the required preset TV programme.
Result: The selected station is displayed at the same time on the television screen.
- To change the programme number assigned to a station (PR4 instead of PR1 for example):
 - ◆ Press OK
 - ◆ Press the **▲** or **▼** buttons until the cursor is placed in front of the programme to which the station is to be moved
 - ◆ Press OK again
- To change the programme's name, press the **▶** button.
Result: The first letter of the name flashes.
- | To... | Then... |
|--|--|
| Select a character in the name | Press the ▲ or ▼ button until the required character is displayed (letters, numbers or "-" character). |
| Move to the next or previous character | Press the ▶ or ◀ buttons respectively. |
- Press the **▶** button again to confirm all your choices and move to the next station; you can modify this station by repeating the same procedure from Step 6 onwards.
- On completion, press the MENU button three times to exit the menu.

```

** TV STATION TABLE **
PR  CH  NAME
▶ 1    4  ----
  2    9  ----
  3   13  ----
  4   25  ----
  5   28  ----
▲▼ SET:▶ SORT:(OK)
DELETE:(CLR/RST) (MENU)
    
```

```

** TV STATION TABLE **
PR  CH  NAME
  1    4  ----
  2    9  ----
  3   13  ----
▶ 4 ( 25  ----)
  5   28  ----
(SORT : 4 - 4)
▲▼ EXECUTE:(OK) (MENU)
    
```

```

** TV STATION TABLE **
PR  CH  NAME
▶ 1 ( 25  ----)
  2    9  ----
  3   13  ----
  4   25  ----
  5   28  ----
(SORT : 4 - 1)
▲▼ EXECUTE:(OK) (MENU)
    
```

```

** TV STATION TABLE **
PR  CH  NAME
▶ 1   25  ----
  2    4  ----
  3    9  ----
  4   13  ----
  5   28  ----
▲▼ SET:▶ SORT:(OK)
DELETE:(CLR/RST) (MENU)
    
```

Selecting the Cassette Type

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted.

- Press MENU on the remote control.
Result: The programming menu is displayed.
- Press the **▲** or **▼** buttons, until the cursor is placed in front of the **USER SET** option.
- Press the **▶** button to select **USER SET1**.
- Press the **▶** button to select this option.
Result: The cursor is set to the **TAPE SELECT** option.
- Press the **▲** or **▼** buttons as many times as required, until the correct cassette length is displayed.
- Press MENU twice to exit the menu.

```

** USER SET1 **
▶ TAPE SELECT :E180/
                  T120
CLOCK TYPE   :24H
PLAY SYSTEM  :AUTO
OSD          :ON
USER SET2
▲▼           END:(MENU)
    
```

Selecting the Recording Speed

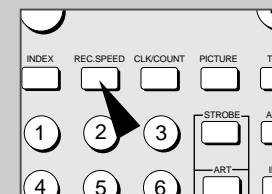
You can record a cassette at two different speeds:

PAL/SECAM/MESECAM	NTSC/PAL-M
◆ SP (Standard Play)	◆ SP (Standard Play)
◆ LP (Long Play)	◆ SLP (Super Long Play)

In Long Play or Super Long Play modes:
◆ the recording is of a slightly lower quality.

To record a cassette:	Press the REC.SPEED button on the remote control, until:
in standard play mode	SP is displayed.
in long play mode	LP is displayed (PAL/SECAM/MESECAM).
in super long play mode	SLP is displayed (NTSC/PAL-M).

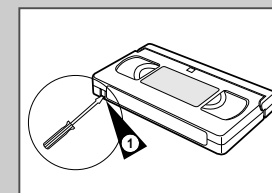
Type	Recording Time	
	PAL/ SECAM	NTSC
E-180/T120	180 mins	120 mins
E-240/T160	240 mins	160 mins
E-260/T180	260 mins	180 mins
E-300	300 mins	



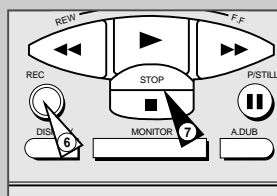
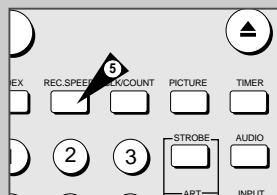
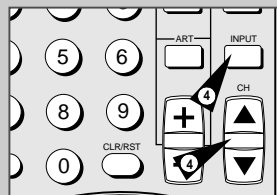
Protecting a Recorded Cassette

Video cassettes have a safety tab to prevent accidental erasure. When this tab has been removed, you cannot record on the tape.

- If you wish to protect a cassette, break off the tab using a small screwdriver.
- To re-record over a protected cassette (safety tab broken), cover the hole with adhesive tape.



Recording a Programme Immediately

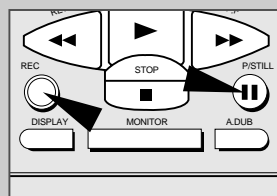


Before recording a programme, you must have preset the corresponding station (unless you are recording via an external video source). If you have not done so, refer to pages 19 and 20.

- 1 Switch on the television.
- 2 To monitor the programme being recorded, select the television AV input.
- 3 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
Result: The VCR is switched on automatically.
- 4 Select:
 - ♦ the station to be recorded using the CH (▲ or ▼) buttons ;
 - or
 - ♦ the AV source using the INPUT button for a satellite tuner or external video source.**Result:** The channel number is displayed and the programme can be seen on the television.
- 5 Select the recording speed by pressing the REC.SPEED button as many times as required (see page 23).
- 6 Press the REC button for at least one second to start recording.
Result: The record indicator appears on the television and VCR display. An index is recorded on the tape (see page 37).
- 7 To stop recording, press STOP (■) once.

-
- ♦ If the cassette is ejected when you start recording, check that the safety tab is intact or the opening is covered with adhesive tape.
 - ♦ If you reach the end of the tape while recording, the cassette rewinds automatically.

Stopping a Recording Temporarily



You can stop recording temporarily (pause mode), to avoid recording TV spots or to change channels for example.

- | | |
|----------------------------|----------------------|
| To: | press: |
| stop recording temporarily | P/STILL (). |
| start recording again | P/STILL () or REC. |

- If the VCR is left in pause mode for more than five minutes, recording will be stopped automatically to protect the heads and the cassette.

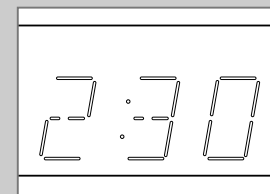
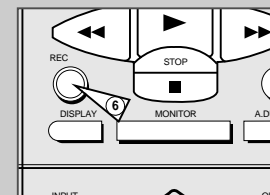
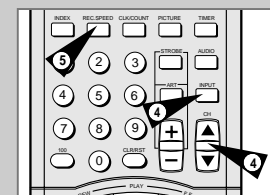
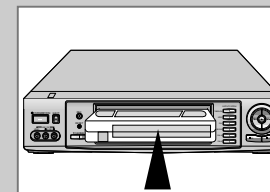
Recording a Programme with Automatic Stop

This function enables you to record up to nine hours of programmes.

Your VCR stops automatically after the requested length of time.

- 1 Switch on the television.
- 2 Select the AV input on the television for use with your VCR.
- 3 Insert the cassette on which the programme is to be recorded, with the window visible and the safety tab intact or the opening covered with adhesive tape.
Result: The VCR is switched on automatically.
- 4 Select:
 - ♦ the station to be recorded using the CH (▲ or ▼) buttons ;
 - or
 - ♦ the AV source using the INPUT button for a satellite tuner or external video source**Result:** The channel number is displayed and the programme can be seen on the television.
- 5 Select the recording speed by pressing the REC.SPEED button as many times as required (see page 23).
- 6 Press the REC button to start recording.
Result: The record indicator appears on the television screen and VCR display. An index is recorded on the tape (see page 37).
- 7 Press the REC button several times to increase the recording time in:
 - ♦ 30-minute intervals up to four hours ; or
 - ♦ 1-hour intervals up to nine hours.**Result:** The length is displayed on the VCR and television displays. The selected programme is recorded for the length of time requested. At the end of that time, the VCR stops recording automatically.
- 8 If you wish to cancel the recording before the end, press STANDBY/ON.

- If the end of the tape is reached while recording:
- ♦ the recording stops ; and
 - ♦ the VCR automatically turns off.



Using the Timer Programming Feature

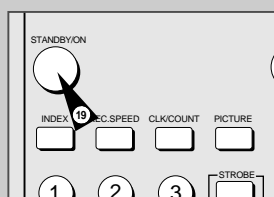
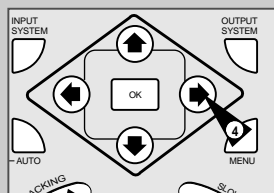
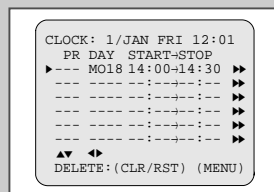
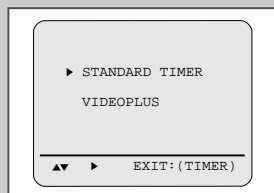
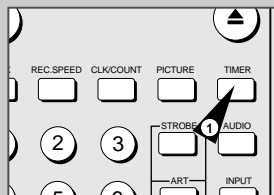
The Timer Programming feature enables you to preset the VCR to record a programme up to one month before that programme is to be broadcast. Up to six programmes can be preset.

Before presetting a recording, check that the date and time are correct.

- 1 Insert the cassette and press the **TIMER** button.
Result: The Timer selection is displayed.
- 2 Press **♦** to select the standard timer.
- 3 Select the required channel by pressing the **♦**, **♦** buttons or **INPUT** to select the SC, AV, L1 or L2 input sources.
- 4 Press **♦** to select the recording day.
- 5 Select the required day by pressing the **♦** or **♦** buttons.
➤ DLY (daily programme).
W-SU, W-MO, ..., W-SA (weekly programme).
- 6 Press **♦** to select the recording start time.
- 7 Select the required hour value by pressing the **♦** or **♦** buttons.
- 8 Press **♦** to select the minutes.
- 9 Select the required minute value by pressing the **♦** or **♦** buttons.
- 10 Press **♦** to select the recording stop time.
- 11 Select the required recording stop time by pressing the **♦** or **♦** buttons, following the same procedure as when selecting the recording start time.
- 12 Press **♦** to select the REC SYSTEM.
- 13 Select the required recording system value by pressing the **♦** or **♦** buttons. Offset value is THROUGH.
- 14 Press **♦** to select the recording speed.
- 15 Press the **♦** or **♦** buttons to switch between the **AUTO** (Auto Tape Speed Select), **SP** (Standard Play), **LP** (Long Play), **SLP** (Super Long Play) recording speeds.
- 16 Press **♦** to select the VPS or PDC(V/P) recording mode.
- 17 Press the **♦** or **♦** buttons to toggle between the VPS or PDC mode (marked **ON**) and the non-VPS/PDC mode (marked **-**).
- 18 When you have finished, press the **MENU** button.
- 19 Press the **STANDBY/ON** button to activate the timer.
Result: Before starting recording, the VCR compares the timer duration with the remaining time on the cassette.

Auto Tape Speed Select
The VCR's "Auto Tape Speed Select" function compares the duration of the timer recording to the actual recording time remaining on the tape loaded. If there is insufficient tape to complete a timer recording in **AUTO** mode, the VCR automatically switches to **LP** mode to record the whole programme.

E.g. If there is a one hour Timer Recording in **AUTO** mode to be started, and only 40 minutes tape remaining, the VCR will record in **SP** for 20 minutes and switch to complete the remaining 40 minutes in **LP** mode.



Using the VIDEOPLUS+/SHOWVIEW Feature

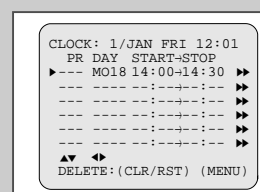
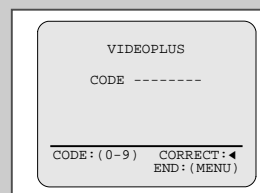
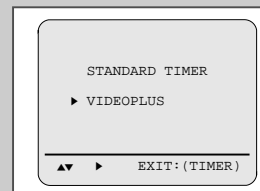
Before presetting your VCR:

- ♦ Switch on both the television and your VCR
- ♦ Check that the date and time are correct
- ♦ Insert the cassette on which the programme is to be recorded (safety tab intact)

- 1 Press the **TIMER** button and select **VIDEOPLUS+** or **SHOWVIEW**.
Result: A message is displayed to allow you to enter the **VIDEOPLUS+** or **SHOWVIEW** code. (Ex.: **VIDEOPLUS+**)
U.K.: **VIDEOPLUS+**
Other country: **SHOWVIEW**
If all six programmes have been set, the message **TIMER IS FULL** is displayed. Refer to page 30 if you wish to cancel a preset recording.
- 2 Press the numeric buttons to enter the code opposite the programme that you wish to record in your television magazine.
➤ If you wish to correct the **VIDEOPLUS+/SHOWVIEW** code that you are entering:
♦ Press the **♦** button until the digit to be corrected is cleared
♦ Enter the correct digit
- 3 Press the **MENU** button.
Result: The information concerning the programme is displayed.
When using the **VIDEOPLUS+/SHOWVIEW** function for the first time with stored stations, the programme number flashes. This one time, you must enter the station number manually by pressing the **♦**, **♦** and **♦** buttons. Refer to the following page if:
♦ The programme number or times flash
♦ You wish to modify the programme
- 4 If the programme and times are correct, press the **OK** button.
- 5 Press the **STANDBY/ON** button to activate the timer.
- 6 Refer to page 30 if you wish to:
♦ Check that your VCR has been programmed correctly
♦ Cancel a preset recording

The numbers next to each TV programme listing are **VIDEOPLUS+/SHOWVIEW** code numbers, which allow you to programme your videorecorder instantly with the remote control. Tap in the **VIDEOPLUS+/SHOWVIEW** code for the programme you wish to record.

™ **VIDEOPLUS+/SHOWVIEW** is a trademark of Gemstar Development Corporation. The **VIDEOPLUS+/SHOWVIEW** system is manufactured under licence from Gemstar Development Corporation.



Modifying VIDEOPLUS+/SHOWVIEW Programming

If you wish to correct the programme displayed or modify certain elements, such as the recording speed, you can do so before you press MENU a second time to confirm.

If you wish to...	Then...
Select an input source other than the tuner (L1, L2, AV input)	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the PR selection flashes. Press the INPUT button one or more times to change the input source selection. <p>Result: The programme number is replaced by:</p> <p>➤ The input source must be selected before changing any other value.</p>
Record a programme every day (Monday to Sunday) at the same time	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the DAY selection flashes. Press the ◀ or ▶ buttons, until the DLY (Daily) value is displayed.
Record a programme every week on the same day and at the same time	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the DAY selection flashes. Press the ◀ or ▶ buttons, until the W- (Week) value is displayed, followed by the required day. <p>Example: W-SA (Weekly Saturday)</p>
Extend the recording time	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the STOP selection flashes. Press the ◀ or ▶ buttons to increase or decrease the stop time.
Select the recording speed	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the recording speed selection flashes. Press the ◀ or ▶ buttons until the correct indication is displayed: <ul style="list-style-type: none"> AUTO (Auto Tape Speed Select) SP (Standard Play) LP (Long Play) SLP (Super Long Play)
Select the VPS/PDC recording	<ul style="list-style-type: none"> Press the ◀ or ▶ buttons, until the V/P selection flashes. Press the ◀ or ▶ buttons until the "ON" indication is display. <p>⚠ Do not select VPS/PDC unless you are sure the programme you wish to record is broadcast with VPS/PDC. If you do set VPS/PDC ON (by selecting "ON" in the right - hand column on the screen), then you must set up the start-time EXACTLY according to the published TV schedule. Otherwise the timer recording won't take place.</p>

NICAM

NICAM programmes are divided into 3 types. NICAM Stereo, NICAM Mono and Bilingual (transmission in another language). NICAM programmes are always accompanied by a standard mono sound broadcast and you can select the desired sound. Please refer to page 33.

- Press MENU on the remote control.
Result: The programming menu is displayed.
- Press the corresponding **◀** or **▶** buttons, until the cursor is placed in front of the **USER SET** option.
- Press the **◀**, **▶** button to select user set2 page.
Result: The **USER SET2** menu is displayed.
- Press the corresponding **◀** or **▶** buttons, until the cursor is placed in front of the **NICAM** option.
- | To... | Press ◀ or ▶ , until... |
|------------|---|
| Mono mode | OFF is displayed.
OFF: Only set at this position to record the standard mono sound during a NICAM broadcast if the stereo sound is distorted due to inferior reception conditions. |
| NICAM mode | ON is displayed.
ON: Normally set at this position. |
- On completion, press MENU twice to exit the menu.

- NICAM is the stereo broadcast system of some countries. (Ex.: U.K., SPAIN, --)
- If the stereo broadcast system of your country is not NICAM, the SV-5000W can not receive NICAM.

```

** USER SET1 **
TAPE SELECT :E180/
              T120
CLOCK TYPE  :24H
PLAY SYSTEM :AUTO
OSD         :ON
▶ USER SET2
▲▼ ▶      END: (MENU)

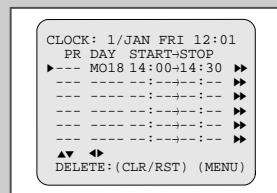
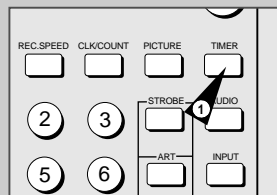
```

```

** USER SET2 **
▶ NICAM      :ON
COLOR       :ON
BLUE SCREEN :ON
SQPB       :OFF
USER SET1
▲▼ ▶      END: (MENU)

```


Checking a Preset Recording

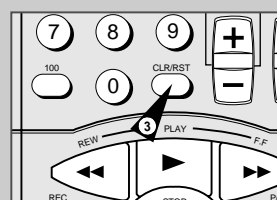
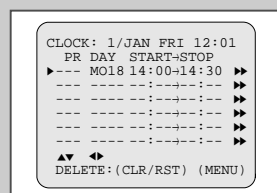


You can check your preset recordings:

- ◆ when you have finished presetting the VCR ; or
- ◆ if you have forgotten which programmes will be recorded.

- 1 Press TIMER and select STANDARD TIMER.
Result: The preset programmes are displayed.
- 2 Press the **♦** button to select the PR.
- 3 Press the **♦** or **♦** buttons to select the required programme.
- 4 Press the **♦** or **♦** buttons to select and change any values as required.
- 5 On completion, press MENU twice.

Cancelling a Preset Recording



You can cancel any programmes that are:

- ◆ incorrect.
- ◆ no longer required.

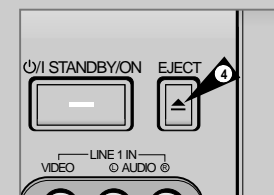
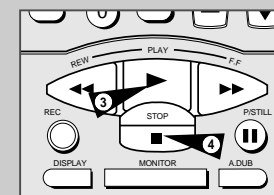
- 1 Press TIMER and select STANDARD TIMER.
Result: The preset programmes are displayed.
- 2 Select the programme to be cancelled by pressing the **♦** or **♦** buttons.
- 3 Press the CLR/RST button to cancel the selected programme.
Result: All the recording information is deleted and the broadcast will not be recorded.
- 4 On completion, press MENU twice.

Playing a Cassette

This function enables you to play back any pre-recorded cassette.

- 1 Switch on both the television and your VCR.
- 2 Select the television AV or AUX input.
- 3 Insert the video cassette to be played. If the safety tab on the cassette is intact, press PLAY (**▶**). Otherwise, the cassette is played automatically.
 - When a cassette is loaded, the tape position is optimized automatically to reduce disturbance (Digital Auto Tracking). When playing a cassette, if the end of the tape is reached, the cassette is rewound automatically.
- 4

To:	press:
stop the playback	STOP (■).
eject the cassette	EJECT (▲).



Selecting the PLAY SYSTEM Mode

You can choose the PLAY SYSTEM if your system does not match the SV-5000W VCR.

This function only needs to be used when there is no color or picture during playback.

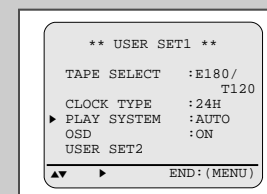
- 1 Press MENU on the remote control.
Result: The programming menu is displayed.
- 2 Press the corresponding **♦** or **♦** buttons, until the cursor is placed in front of the **USER SET** option.
- 3 Press the **♦** button to select this option.
Result: The **USER SET1** menu is displayed.
- 4 Press the corresponding **♦** or **♦** buttons, until the cursor is placed in front of the **PLAY SYSTEM** option.
- 5 Press **♦** or **♦** buttons until you select the appropriate system is selected.

Case1 : NTSC or PAL-M Tape Playback
 AUTO → NTSC → PAL-M

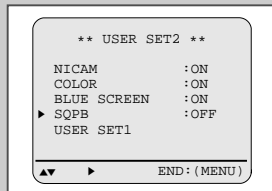
Case2 : PAL, SECAM, MESECAM Tape Playback
 AUTO → PAL → SECAM → MESECAM
- 6 On completion, press MENU twice to exit the menu.



If you encounter a system error or the picture has no color when in AUTO mode, select the play system manually.




SQPB (Super VHS Quasi Playback)



This function is for playback of Super VHS format tapes only, not for recording.

- 1 Press MENU on the remote control and select user set.
- 2 Press the \blacktriangle and \blacktriangledown to select USER SET2.
- 3 Press the \blacktriangle and \blacktriangledown to make SQPB is ON.

 If the SQPB is on in the normal playback, the video output will be distorted.

Adjusting Picture Alignment Manually



The Fine Adjustment feature enables you to adjust the alignment manually to obtain the best possible picture.

When noise bars or streaks appear during playback, adjust alignment manually by pressing the TRACKING (\wedge or \vee) buttons until the picture is clear and stable.

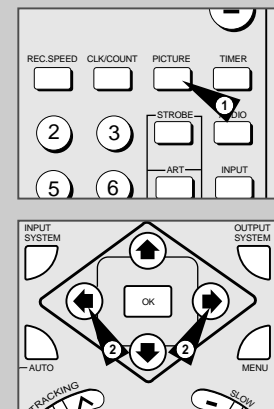
Result:

- ◆ The tracking bar appears.
- ◆ The image is adjusted.
- ◆ The tracking bar disappears when you release the button.

Adjusting Picture Sharpness

The Picture Sharpness feature enables you to adjust the sharpness of the image according to your own preferences.

- 1 During playback, press the PICTURE button.
Result: The picture bar appears.
- 2 Press the SOFTEN (\star) and SHARPEN (\spadesuit) buttons until the picture is displayed according to your preferences.
➤ If you do not press a button within ten seconds, the picture bar automatically disappears.
- 3 On completion, press the PICTURE button again.

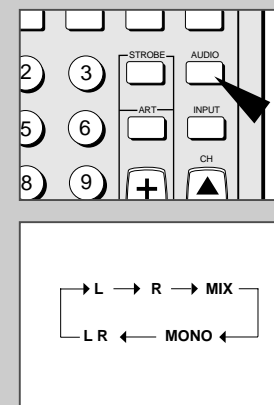


Selecting the Audio Output Mode

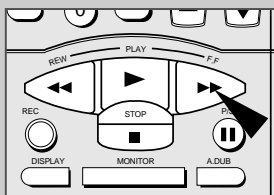
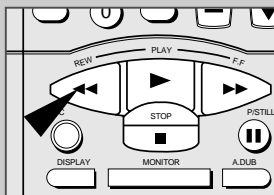
You can select the mode in which the sound is reproduced on the LINE and AV outputs. The following options are available.

Option	Description
L	Used to listen to the sound on the left Hi-Fi channel.
R	Used to listen to the sound on the right Hi-Fi channel.
MIX	Used to listen to the mixed sound of the Hi-Fi and normal channels. (For example, you can play back Hi-Fi audio sound while at the same time listening to a narration dubbed onto the normal audio track. See pages 45 and 46 for further details of the Audio Dubbing feature.)
MONO	Used to listen to the sound on the normal mono channel.
L R	Used to listen to Hi-Fi stereo sound on the left and right channels. ➤ When playing back tapes recorded in Hi-Fi, the sound switches to Hi-Fi after five seconds of Mono.

To select the sound mode, simply press the AUDIO button on the remote control until the required option is displayed.



Rewinding and Fast-forwarding a Cassette



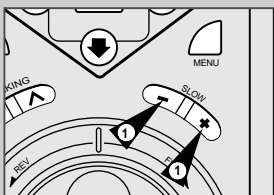
You can:

- ◆ **rewind or fast-forward a cassette without seeing the picture on the television.**
- ◆ **search for a given sequence forwards or backwards on the tape.**

To:	press:
rewind the tape without viewing the picture	REW (◀◀) when the cassette is stopped.
rewind the tape while viewing the picture	REW (◀◀) when the cassette is playing (Reverse Search function).
switch from reverse searching to playback again	REW (◀◀) while rewinding the tape with the picture displayed.
fast-forward the tape without viewing the picture	F.F (▶▶) when the cassette is stopped.
fast-forward the tape while viewing the picture	F.F (▶▶) when the cassette is playing (Forward Search function).
switch from forward searching to playback again	F.F (▶▶) while fast-forwarding the tape with the picture displayed.

- The cassette is rewound automatically when the end of the tape is reached.
If you press STANDBY/ON while a cassette is being rewound, the VCR switches off automatically when the beginning of the cassette is reached.

Playing a Cassette in Slow Motion



You can play a cassette in slow motion.

- No sound is heard when playing back a cassette in slow motion.

- Press:
 - ◆ PLAY (▶) to start playing the cassette ;
 - ◆ SLOW to start slow mode play ;
 - ◆ SLOW (+ or -) as many times as required to decrease or increase the speed respectively ; and
 - ◆ PLAY (▶) to return to the normal speed.
 - When playing back in slow motion, picture interference may occur. Press the TRACKING (⤴ or ⤵) buttons to minimize this effect.
- When you have been using the Slow Motion function for more than about five minutes, the VCR will automatically play to protect the:
- ◆ cassette ; and
 - ◆ video heads.

Playing a Sequence Frame by Frame

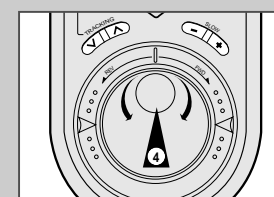
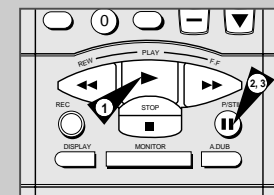
You can:

- ◆ **stop the cassette at a given frame (image) ; and**
- ◆ **advance one frame at a time.**

- No sound is heard when playing back frame by frame.

- Press the PLAY (▶) to start playing the cassette.
- Press the P/STILL (⏸) to stop the tape at a given frame.
- Press the P/STILL (⏸) again to advance frame by frame forward.
- Instead of Step 3 turn the JOG to the left or right to advance frame by frame backward or forward.
- To return to normal playback, press the PLAY (▶).

- When you have been using the Frame-by-Frame function for more than about five minutes except for JOG function, the VCR will automatically stop to protect the cassette and video heads.



Playing a Sequence at Variable Speeds

You can vary the playback speed using the Shuttle function (up to nine times the normal speed).

Example: You wish to analyze a sportsperson's technique, movement by movement.

The Shuttle function is available on the remote control.

- No sound is heard when playing a sequence at variable speeds.

- Press the PLAY (▶) to start playing the cassette.
- Turn the SHUTTLE RING to the left or right to vary the playback speed.
- Each time you turn the shuttle ring the speed will change as shown in the following illustration.

(SP on All Systems)

REVERSE X9	REVERSE X7	REVERSE X3	REVERSE PLAY	REVERSE SLOW (1/5)	REVERSE SLOW (1/10)	STILL	SLOW (1/5)	SLOW (1/10)	PLAY	PLAY X2	PLAY X7	PLAY X9
------------	------------	------------	--------------	--------------------	---------------------	-------	------------	-------------	------	---------	---------	---------

(LP on PAL/SECAM/MESECAM/PAL-N)

REVERSE X15	REVERSE X9	REVERSE X5	REVERSE PLAY	REVERSE SLOW (1/5)	REVERSE SLOW (1/10)	STILL	SLOW (1/5)	SLOW (1/10)	PLAY	PLAY X2	PLAY X9	PLAY X15
-------------	------------	------------	--------------	--------------------	---------------------	-------	------------	-------------	------	---------	---------	----------

(SLP on NTSC/PAL-M)

REVERSE X15	REVERSE X9	REVERSE X7	REVERSE PLAY	REVERSE SLOW (1/5)	REVERSE SLOW (1/10)	STILL	SLOW (1/5)	SLOW (1/10)	PLAY	PLAY X2	PLAY X9	PLAY X15
-------------	------------	------------	--------------	--------------------	---------------------	-------	------------	-------------	------	---------	---------	----------

- When you activate Variable Speed play, there will be no color in some modes. This is normal operation. Modes with no color are shown below.

- ◆ **No color modes :**
 - Variable Speed play of LP recordings on any system.
 - X2 and Still/Slow play of SLP recordings in PAL-M mode.

- If the picture is noisy or distorted during X2 play or other variable speed play, adjust the tracking manually for a cleaner picture.



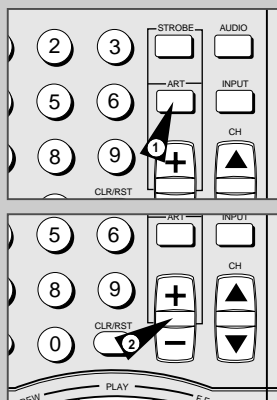
STROBE



You can see discrete image in succession.

- 1 Press the STROBE during playback, AV, LINE input or station mode received through the tuner.
Result: "STROBE" is displayed in screen.
Discrete image is displayed in screen like SLOW mode.
- 2 Press the +/- to vary the speed of STROBE mode.
- 3 To escape the STROBE mode, press the STROBE.

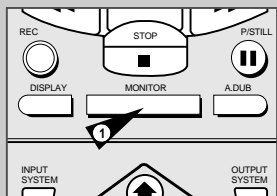
ART



You can see the art image like a picture.

- 1 Press the ART during PLAY or STROBE mode.
Result: The contrast of image is changed.
- 2 Press the +/- to vary the contrast of ART mode.
- 3 To escape the ART mode, press the ART.

MONITOR



You can see the original input signal during the conversion recording.

- 1 Press the MONITOR during conversion.
Result: Original input signal is displayed on screen.
- 2 Press the MONITOR again.
Result: Output signal finished conversion is displayed on screen.

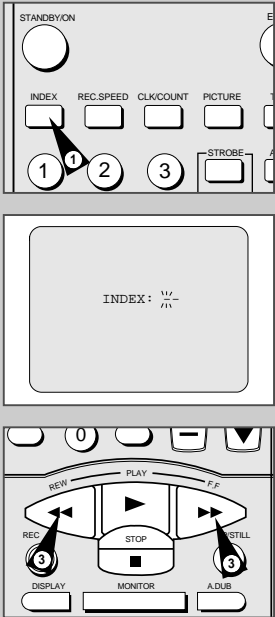
Searching for a Specific Sequence

Each time you record a cassette on this VCR, an “index” is automatically marked on the tape when recording starts. The Search function enables you to fast-forward or rewind to a specific index and start playback from that point. Depending on the direction selected, the indexes are numbered as follows.

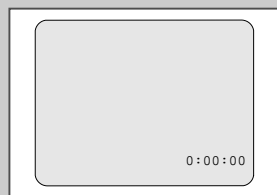
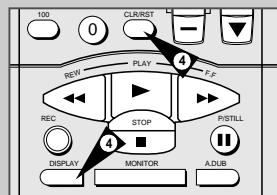
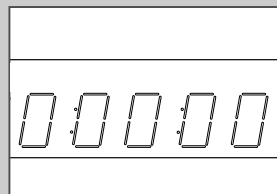
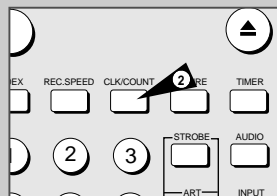
		↓		
	Prev	Seq. being	Next	
etc.	Seq.	played	Seq.	etc.
2	1	1	2	

➤ This VCR uses a standard indexing system (VISS). As a result, it will recognize any indexes marked by other VCRs using the same system and vice versa.

- To search for a specific index, press INDEX.
- Enter the number of the index to be found using the numeric buttons.
 - When entering a single-digit number, do not forget to precede it with a zero.
 - Example: 02.
 - Result: The index number is displayed.
- Select the direction in which the VCR is to search:
 - ◆ REW (◀◀) to search backwards ; or
 - ◆ F.F (▶▶) to search forwards.
 - Result: When the index is found, cassette playback starts.



Using the Tape Counter



The tape counter:

- ◆ indicates the elapsed time in the play and record modes (hours, minutes and seconds) ;
- ◆ is reset when a cassette is inserted in the VCR ; and
- ◆ enables you to find the beginning of a sequence easily.

➡ To enable the remaining time to be calculated correctly, you must indicate the type of cassette being used. See page 23.

- 1 Insert a cassette in your VCR.
- 2 Press CLK/COUNT twice.
Result: The tape counter is displayed: 0:00:00.
➤ The tape counter does not necessarily start from zero at the beginning of the tape.
- 3 Select the required operation (play, record, fast-forward, rewind).
Result: The tape counter indicates how long the cassette has been running.
- 4 To set the tape counter to zero at the beginning of a sequence:
◆ press DISPLAY twice to display the counter ; and
◆ press CLR/RST when you want to set the tape counter to zero.
- 5 To fast-forward or rewind to the sequence at which the counter was set to zero, simply press REW (◀◀) or F.F (▶▶).
Result: The VCR stops automatically when the counter reaches zero.

➤ Some VCR information, such as the counter, can be displayed on the television screen (unless you have deactivated the OSD mode; refer to page 16).

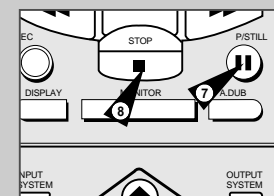
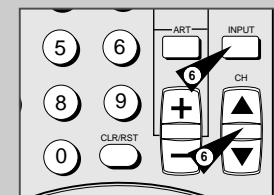
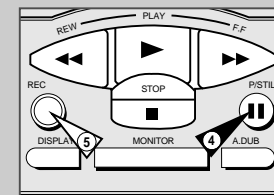
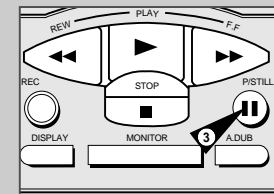
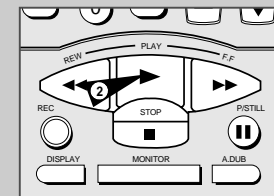
Press DISPLAY:

- ◆ once to display the current function, programme number, recording speed, date, time and counter ;
- ◆ twice to display the counter only ;
- ◆ three times to display the time remaining on the cassette ; and
- ◆ four times to clear the display.

Using the Assemble Edit Function

This function enables you to start a new recording at a specific position on the cassette while maintaining a very smooth scene change.

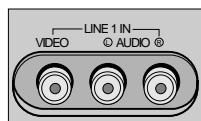
- 1 Insert the cassette to be edited in your VCR.
- 2 Press the PLAY button (▶) to start playback.
- 3 When you reach the position from which you wish to start the new recording, press the P/STILL button (||).
- 4 Press the P/STILL button (||) again as often as necessary to advance frame by frame, until the exact recording position is located.
- 5 While the VCR is in still mode, press the REC button to activate the Assemble Edit function.
Result: The Record symbol (○) flashes on the display.
- 6 Select the source from which you wish to record by pressing:
◆ the CH (▲ or ▼) buttons for television channels ; or
◆ the INPUT button for the SC, AV, L1 or L2 input sources.
- 7 Press the P/STILL button (||) to start recording.
- 8 When you have finished recording, press STOP (■).



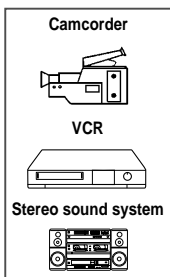
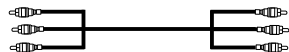
Connecting Other Equipment to Your VCR

You can connect other audio and/or video equipment to your VCR in different ways. The following illustrations give a few examples of the connection possibilities.

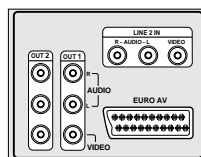
- The LINE 1 input connectors on the front of the VCR are used for equipment such as camcorders, VCRs or stereo sound systems.



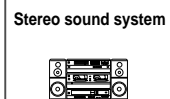
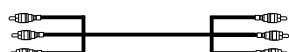
FRONT OF THE VCR



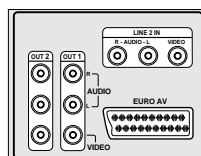
- The RCA output connectors (OUT1 or OUT2) on the rear of the VCR are used for equipment such as a stereo sound system.



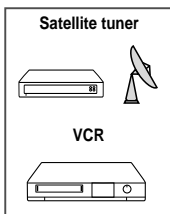
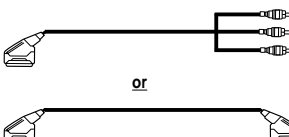
REAR OF THE VCR



- The EURO AV connector on the rear of the VCR is used for equipment with a SCART input/output such as a satellite tuner or VCR.



REAR OF THE VCR



Connecting an RCA Audio/Video Input Cable

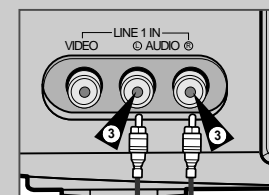
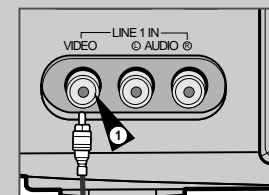
You can connect other audio/video equipment to your VCR using audio/video cables if the appropriate outputs are available on the equipment chosen.

- Examples:**
- ◆ You wish to copy a video cassette with the help of a second VCR (see page 42).
 - ◆ You wish to play back and/or copy pictures taken with a camcorder (see page 42).
 - ◆ You wish to dub a prerecorded video cassette with sound from a stereo system (see page 46).

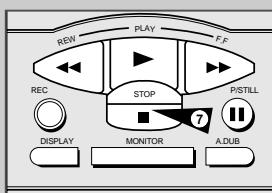
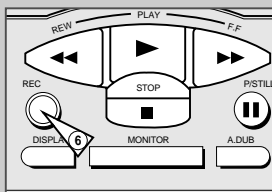
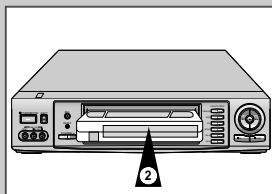


- ◆ Regardless of the type of connection chosen, you must always connect the coaxial cable supplied. Otherwise, no picture will be visible on the screen when the VCR is switched off.
- ◆ Make sure that both the television and the VCR are switched off before connecting the cables.

- 1 Connect one end of the RCA audio/video cable into the VIDEO INPUT jack on the front of the VCR.
- 2 Plug the other end of the audio/video cable into the appropriate output connector on the other system (VCR or camcorder).
- 3 Connect one end of the RCA audio cable supplied into the AUDIO INPUT jacks on the front of the VCR.
 - Take care to respect the colour coding of the left and right channels.
- 4 Plug the other end of the audio cable into the appropriate output connectors on the other system (VCR, camcorder or Hi-Fi sound system).



Recording from Another VCR or Camcorder



You can copy a cassette to your VCR from another video source such as another VCR or a camcorder.

It is an infringement of copyright laws to copy prerecorded cassettes or to re-record them in any form without the permission of the owners of the corresponding copyright.

- 1 Connect the VCR from which the cassette is to be copied to the appropriate RCA audio and video input connectors on the front of your VCR, as indicated on page 40, 41.
 - If the other video source does not supply stereo sound, connect only the left audio input (L).
You can also use a SCART cable to connect to the EURO AV on the rear of your VCR.
- 2 Insert a blank cassette in your VCR.
- 3 Insert the pre-recorded cassette in the other video source (VCR or camcorder).
- 4 Press the INPUT button to select the appropriate input on your VCR:
 - ◆ LINE 1 or LINE 2 ; or
 - ◆ AV for the EURO AV.
- 5 Start playing back the cassette to be copied.
- 6 Press the REC button for at least one second to start recording on your VCR.
- 7 When you have finished recording, press STOP (■) on both VCRs.

- If you wish to view the cassette being copied:
- ◆ your VCR must be connected as usual to the television (see page 12 for further details) ; and
 - ◆ you must select the television AV input.

TV System Conversion

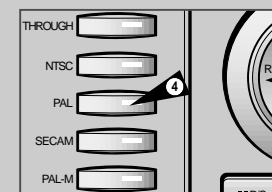
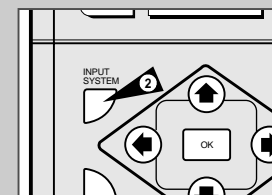
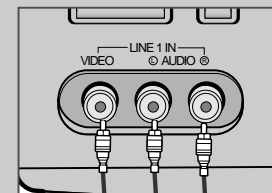
You can convert the input signal into the desired TV system.

- 1 Connect the RCA audio/video cable into the LINE 1 IN jacks on the front of the VCR.
- 2 Press the INPUT SYSTEM button of the remote control to select the input signal identification.
 - ◆ When the Auto mode is selected, the input signal is automatically identified.
 - ◆ When the input signal is not automatically identified, select the corresponding input system manually.
- 3 If you wish to convert the NTSC system into the PAL system, select AUTO or NTSC system with the INPUT SYSTEM button on the remote control.

Result: The display panel shows the NTSC input signal and the NTSC output signal.

 - ◆ If the input signal does not correspond to the input system of the VCR, an abnormal signal is outputted.
- 4 Press the PAL output button on the VCR.

Result: The display panel shows the NTSC input signal and the PAL output signal, and the NTSC signal is converted into the PAL signal for output.



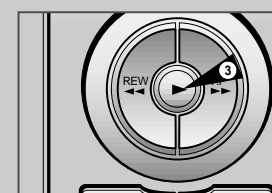
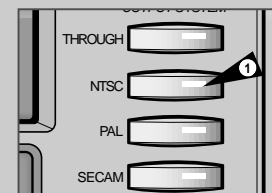
Playback Conversion

You can perform playback conversion of the signal recorded on the tape into the appropriate format for the country.

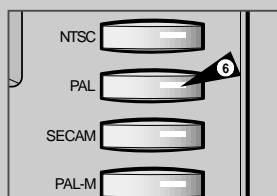
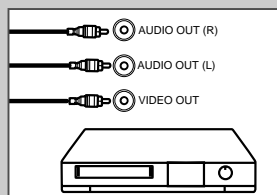
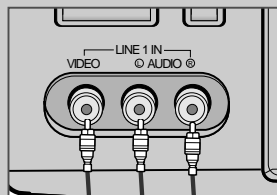
- 1 If you wish to convert the PAL system tape into the NTSC system for playback, then press the NTSC output button on the VCR.

Result: The display panel shows NTSC output signal.
- 2 Insert the video tape into the VCR.
 - ◆ ○ is shown on the display panel.
 - ◆ A video tape without the record protect (safety) tab intact will playback automatically.
- 3 Press the PLAY (▶) button.


Result: TV system recorded on the tape is automatically read, and the PAL signal is converted into the NTSC signal for playback.



Convert Recording



You can convert recording from signal recorded on the original tape to different signal.

- 1 Connect the RCA Audio/Video cable to input on the front of the main VCR (SV-5000W)
- 2 Insert the tape to record.
- 3 Connect the other end of the RCA Audio/Video cable to output connectors of another sub VCR (see page 40).
- 4 If you wish to convert from NTSC system signal recorded tape to PAL system signal, then insert the playback tape recorded NTSC system signal into the sub VCR, which can playback NTSC system.
- 5 Press the INPUT button on the remote control to select the L1 input.
Result: The display panel shows L1.
- 6 Press the PAL output button on the front panel to select the PAL system.
Result: The display panel shows the output system selects PAL.
- 7 Press the PLAY button of the sub VCR.
- 8 Press the REC button of the main VCR.
Result:  appears on the display panel, and recording starts.

Hi-Fi Audio System

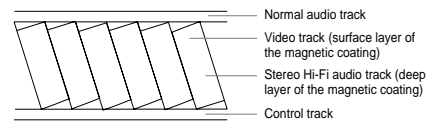


Hi-Fi and normal audio

To provide true Hi-Fi audio sound with video entertainment and, at the same time, compatibility with regular VHS tapes, your VCR employs a newly-developed audio recording system.

Hi-Fi audio signals (2-channel) are recorded deep into the tape's magnetic coating and the video signal is recorded on top of the audio signals in a shallower layer. At the same time, another audio head records normal audio signals (monaural) onto the normal audio track. With the Audio Dubbing function, it is possible to erase the old monaural soundtrack and record a new one.

Tape pattern recorded with your VCR



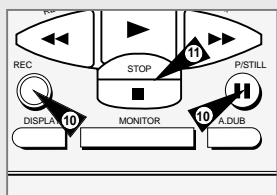
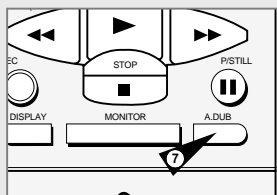
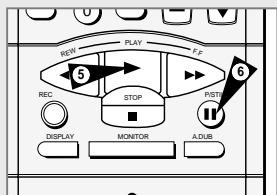
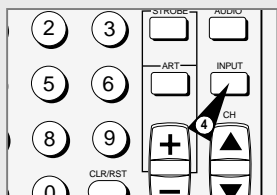
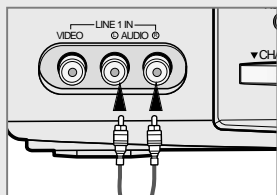
Hi-Fi audio recording and reproduction are available only from the Hi-Fi audio track, while the normal audio track provides normal audio.

The Hi-Fi and normal soundtracks are recorded simultaneously and audio dubbing is applicable only to the normal audio track.

Recording options according to the setting of the INPUT button

INPUT button \ Track	Video track	Normal audio track (mono)	Hi-Fi audio track (2-channel)
TUNER (PR: 1)	TV picture (from built-in tuner)	TV sound (from built-in tuner)	
SIMULCAST (SC)	TV picture (from built-in tuner)	Audio signal from audio input connector (Line 1)	
LINE 1 (L1) LINE 2 (L2)	Video signal from video input connector	Audio signal from audio input connector	
EURO AV (AV)	Video signal from audio/video connector	Audio signal from audio/video connector	

Audio Dubbing a Pre-recorded Cassette



With the Automatic Dubbing function, you erase the previously recorded sound and replace it with a new soundtrack from:

- ◆ a CD player ;
- ◆ a microphone connected to a sound system ; or
- ◆ a cassette player.

Restriction:

Audio dubbing is applicable only to the longitudinal audio track (normal audio).

- 1 Connect an RCA audio cable to the appropriate output on your sound system (CD/cassette player for example).
- 2 Connect the other end of the RCA audio cable to the audio input connectors (L, R) on the front of your VCR.
- 3 Insert the pre-recorded cassette on which the audio track is to be replaced.
- 4 Select the LINE 1 input by pressing INPUT until L 1 is displayed.
- 5 Locate the point on the cassette at which you wish to start dubbing.
- 6 Press P/STILL (II).
- 7 Press A.DUB.
Result: Your VCR is now in the Audio Dubbing Pause mode.
- 8 On the sound system, locate the point on the CD or cassette at which you wish to start playback.
Example: The track that you wish to record on the cassette.
- 9 Press the pause button on your sound system.
- 10 When you are ready:
 - ◆ start playback on the sound system ; and
 - ◆ press REC or P/STILL (II) on the remote control.
 Result: The soundtrack is replaced on the pre-recorded cassette.
- 11 When you have finished recording, press STOP (■).

Recording an FM Simulcast Programme

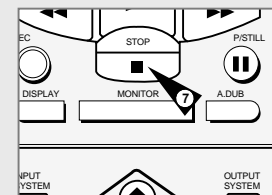
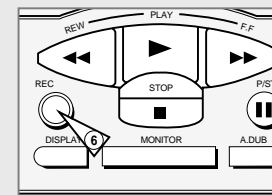
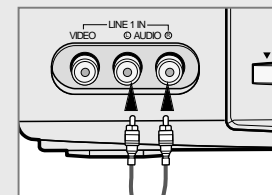
The FM Simulcast feature enables you to record:

- ◆ the picture received on the VCR's tuner ;
- and
- ◆ the sound received from an external source via the LINE 1 RCA input connectors on the front of the VCR.

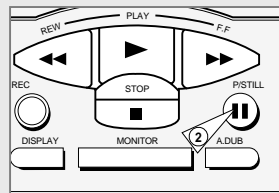
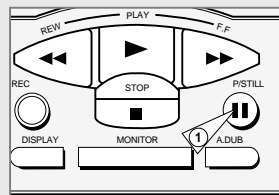
Example: You wish to record a concert transmitted simultaneously on the television and radio. You can thus take advantage of FM stereo sound on the radio.

- 1 Connect an RCA audio cable to the appropriate output on your sound system (radio for example).
- 2 Connect the other end of the RCA audio cable to the audio input connectors (L, R) on the front of your VCR.
- 3 Select the SC Simulcast mode by pressing INPUT one or more times until SC is displayed.
- 4 Select the television programme transmitting the pictures.
- 5 Switch the sound system onto the appropriate radio station.
- 6 Press the REC button for at least one second when the broadcast starts.
Result: The sound received on the LINE 1 input is recorded with the pictures received on the tuner.
- 7 When you have finished recording, press STOP (■).

- If you wish to view the pictures being recorded:
- ◆ your VCR must be connected as usual to the television (see page 12 for further details) ; and
 - ◆ you must select the AV input on the television for use with your VCR.



Locking Your VCR

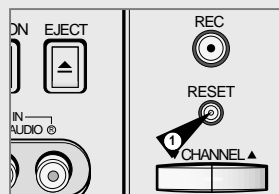


The playback functions on your VCR can be locked to prevent the VCR from being used by young children.

You can still watch television programmes via the VCR but you cannot insert or play a cassette.

- 1 To lock the VCR, hold down the P/STILL (II) button for approximately five seconds.
Result: The lock indicator (LOCK) is displayed.
➤ If a cassette is in the VCR when you lock it, the cassette will first be ejected.
- 2 To unlock the VCR, hold down the P/STILL (II) button again for approximately five seconds.
Result: The lock indicator (LOCK) is no longer displayed.

Resetting Your VCR



If you find that your VCR is not operating correctly, or no indications appear in the display, you can reset it.

- 1 Press the RESET button on the front panel with a pen or pencil, to reset the VCR.
Result: All preset data will be erased and will need to be reprogrammed.
- 2 If the problem is not solved after you have reset the VCR, refer to page 50 for a list of simple checks to be performed before contacting the after-sales service.

Technical Specifications

Recording system	Rotary head azimuth recording, luminance signal FM recording system.	
	Chrominance signal down converted phase shift recording system (NTSC, PAL, PAL-M).	
	Chrominance signal down converted direct recording system (MESECAM).	
	Chrominance signal 1/4 frequency countdown direct recording system (SECAM).	
Color system	NTSC3.58, NTSC4.43, PAL, PAL-M, PAL-N, SECAM	
Tuning system	B/G, D/K, I, M, N, L	
RF out	G/I/K/M/L UHF 21-69CH	
Tape recording/playback	NTSC, PAL, PAL-M, SECAM, MESECAM	
Tape speed	NTSC	33.35mm/sec (standard recording : SP)
	PAL-M	11.12mm/sec (three times recording : SLP)
	PAL	23.39mm/sec (standard recording : SP)
	MESECAM	11.69mm/sec (double speed recording : LP)
	SECAM	
Tape format	VHS type video tape, S-VHS type video tape (Playback only)	
Recording time	Maximum 8 hours (with a T-160 tape/E-240)	
Rewinding time	Within 2 minutes (high speed rewinding, T-120 or E-180 tape)	
Video input	1.0Vp-p (unbalanced) 75 Ω	
Video output	1.0Vp-p (unbalanced) 75 Ω	
Video S/N	Above 43dB (standard recording)	
Resolution	Above 220 (standard recording NTSC), 240 (standard recording PAL)	
Audio input	-8dBm, 47 Kohm unbalanced	
Audio output	-8 ± 3 dBm, 1 Kohm unbalanced	
Audio S/N	Above 39dB (Mono), 68dB (Hi-Fi)	
Audio frequency characteristics	20Hz-20kHz	
Rated voltage	100V~240V AC	
Rated frequency	50/60Hz	
Power consumption	APP. 24 watts on recording; 8 watts off	
Operating ambient temperature	41°F-104°F (5°C - 40°C)	
Installation conditions	Operation position : Horizontal, Relative humidity : Below 80%	
Outside dimensions	Width 430mm x Length 295mm x Height 98mm	
Weight	4.3Kg	

Problems and Solutions

Before contacting the Samsung after-sales service, perform the following simple checks.

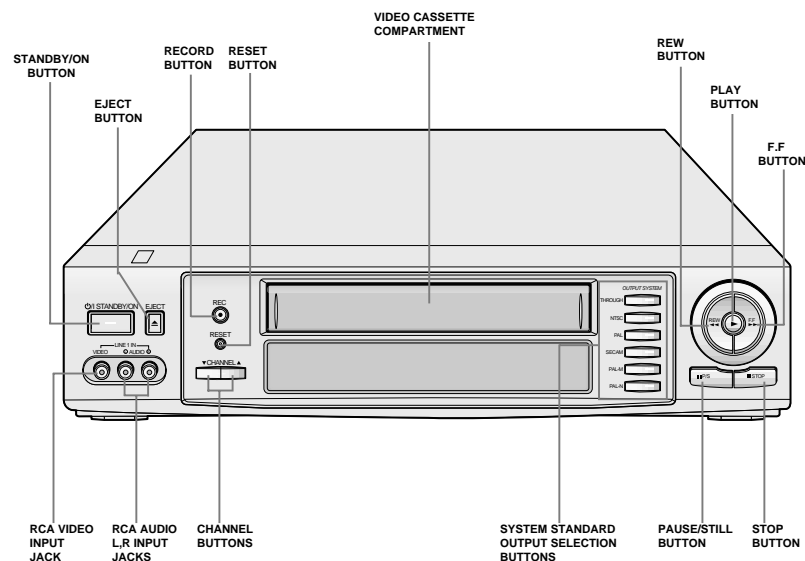
Problem	Explanation/Solution
No power.	<ul style="list-style-type: none"> Check that the power plug is connected to a wall outlet. Have you pressed the STANDBY/ON button?
You cannot insert a video cassette.	<ul style="list-style-type: none"> A video cassette can only be inserted with the window side up and the safety tab facing you. Check that the VCR has not been safety-locked (LOCK displayed). If so, hold P/STILL (II) down for at least five seconds to release it.
The television programme was not recorded.	<ul style="list-style-type: none"> Check the VCR/aerial connections. Is the VCR tuner properly set? Check if the safety tab is intact on the cassette.
Timer recording was unsuccessful.	<ul style="list-style-type: none"> Was the STANDBY/ON button pressed to activate the timer? Re-check the recording start/stop time settings. If there was a power failure or interruption during timer recording, the recording will have been cancelled. Check that the channel number selected with the Timer Programme code is correct.
No playback picture or the picture is distorted.	<ul style="list-style-type: none"> Press the TRACKING buttons (↖ or ↗). Check to see if you are using a pre-recorded tape. Check the playback system in SET-UP Menu.
You cannot see normal broadcasts.	<ul style="list-style-type: none"> Check that the source selected using the INPUT button is the VCR's tuner. Check the TV-VCR/aerial connections.
Noise bar or streaks on playback.	<ul style="list-style-type: none"> Press the TRACKING buttons (↖ or ↗) to minimize this effect. Check the SQPB in the USER SET2 Menu (see page 32).
No operation when the: <ul style="list-style-type: none"> REW (◀) button is pressed ; or F.F (▶) button is pressed. 	<ul style="list-style-type: none"> Check that tape is not already fully wound.
When the P/STILL (II) button is pressed during playback, the still picture has severe "noise bar" streaks.	<ul style="list-style-type: none"> A still picture may have "noise bars", depending on the condition of the tape. Press the TRACKING buttons (↖ or ↗) to minimize this effect.
Incorrect operations or no display.	<ul style="list-style-type: none"> Use a pencil to press the RESET button and re-initialize the VCR. All preset data is lost.

If you are unable to solve the problem after reading the above instructions, note:

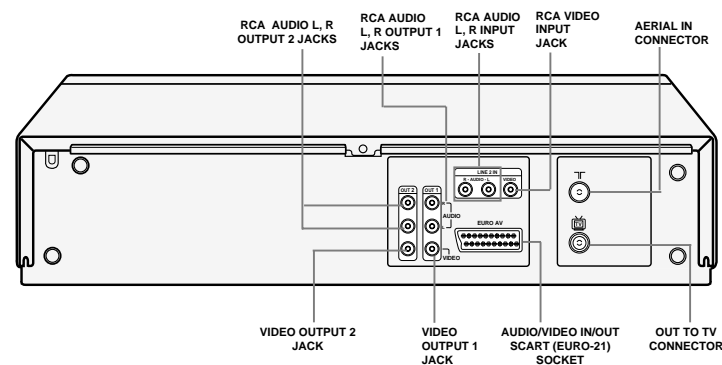
- the model and serial number on the rear of your VCR ;
- the warranty information ; and
- a clear description of the problem.

Then contact your nearest SAMSUNG after-sales service.

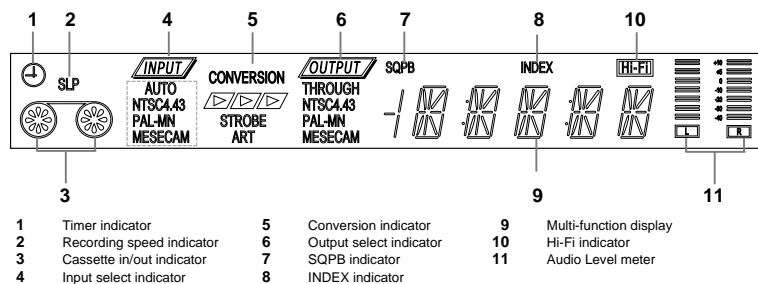
Front View of the VCR



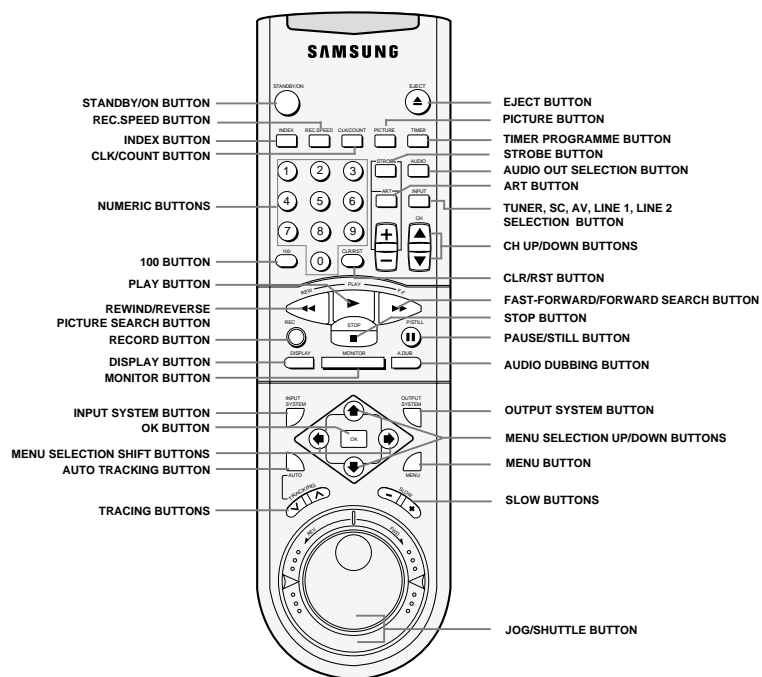
Rear View of the VCR



Display Indicators



Infrared Remote Control



World Broadcast Systems

SYSTEM ITEM	NTSC	PAL					SECAM			
		B/G	D/K	N	M	I	B/G	D/K	I	L
Country	Bahamas Barbados Bermuda Bolivia Cambodia Canada Chile Colombia Costa Rica Cuba Cyprus, Denmark Dominican Ecuador El Salvador Greenland Guam Guatemala Haiti Honduras Jamaica Japan Korea(South) Mexico Micronesia Myanmar Nicaragua Panama Peru Philippines Puerto Rico Samoa Sierra Leone Singapore, Spain Sri Lanka Sudan, Swaziland Sweden, Switzerland Thailand, Turkey U.S.A Uganda, Yemen United Arab Emirates Zambia, Zimbabwe Vietnam	Afghanistan Albania, Algeria Australia Austria, Azores Bahrain Bangladesh Brunei, Cameroon Canary Islands Cape Verde Czech Republic Congo Croatia Cuba Cyprus, Denmark Djibouti French Guiana Gabor Guadeloupe Guinea Guinea-Bissau Guiana Hungary Ivory Coast Madagascar Martinique Mongolia Poland Reunion Romania Slovak Republic Tahiti Togo Zaire New Caledonia Niger Rwanda Senegal	China Korea (North)	Argentina Paraguay Uruguay	Brazil	Angola Botswana Hong Kong South Africa Zanzibar	Egypt Iran Iraq Lebanon Lesotho Libya Mauritania Saudi- Arabia Tunisia	Bulgaria CIS (USSR) Congo Czech Republic Burkina Faso Burundi Djibouti French Guiana Gabor Guadeloupe Guinea Guinea-Bissau Guiana Hungary Ivory Coast Madagascar Martinique Mongolia Poland Reunion Romania Slovak Republic Tahiti Togo Zaire New Caledonia Niger Rwanda Senegal	Gambia	France

International Service Network

● Head Office (Korea)

Tel : 82-331-200-5570
Web site : <http://www.samsungelectronics.com>

● North & Latin America

U.S.A (United States America)

Tel : 973-691-6200/1-800-Samsung
Web site : <http://www.sosimple.com>

Canada

Tel : 905-819-5031/1-800-Samsung
Web site : <http://www.samsungcanada.com>

Mexico

Tel : 52-5-686-0800
Web site : <http://www.samsung-latin-america.com>

Panama

Tel : 507-210-1133
Web site : <http://www.samsung-latin-america.com>

Brazil

Tel : 55-11-541-8500
Web site : <http://www.samsung-latin-america.com>

Argentina

Tel : 541-308-4777
Web site : <http://www.samsung.com.ar>

Colombia

Tel : 57-1-633-4410
Web site : <http://www.samsung-colombia.com>

Chile

Tel : 56-2-232-7000
Web site : <http://www.samsung-latin-america.com>

Peru

Tel : 51-1-4-4011121
Web site : <http://www.samsung-latin-america.com>

● Middle East & Africa

Dubai

Tel : 971-4-837-700

Saudi Arabia

Tel : 966-2-651-2111

Kuwait

Tel : 965-470-6612

South Africa

Tel : 27-11-463-5678
Web site : <http://www.samsung.co.za>

● Europe

U.K (United Kingdom)

Tel : 44-1952-292-262
Web site : <http://www.samsungelectronics.co.uk>

France

Tel : 33-10-4938-6569
Web site : <http://www.samsung.fr>

Germany

Tel : 49-6196-66-1900
Web site : <http://www.samsung.de>

Italy

Tel : 39-2-9214-1815

Portugal

Tel : 35-1-414-8112

Spain

Tel : 34-3-261-6701

Sweden

Tel : 468-5910-96630
Web site : <http://www.samsung.se>

Netherlands

Tel : 3170-307-2910
Web site : <http://www.samsung.nl>

Hungary

Tel : 36-1-188-7925

CIS (Russia)

Tel : 1-502-224-5210 (Moscow)
Tel : 380-44-227-8330 (Ukraine)

● Asia & Oceania

Singapore

Tel : 65-568-7500

Japan

Tel : 81-3-5564-0360
Web site : <http://www.samsung.co.jp>

India

Tel : 91-11-643-7391
Web site : <http://www.samsungindia.com>

China

Tel : 86-10-6460-6504

Australia

Tel : 61-2-9898-5745
Web site : <http://www.samsung.co.au>

THIS APPLIANCE IS DISTRIBUTED BY



AC68-00405A